

THE Y-12 BULLETIN

A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF CARBIDE AND CARBON CHEMICALS DIVISION

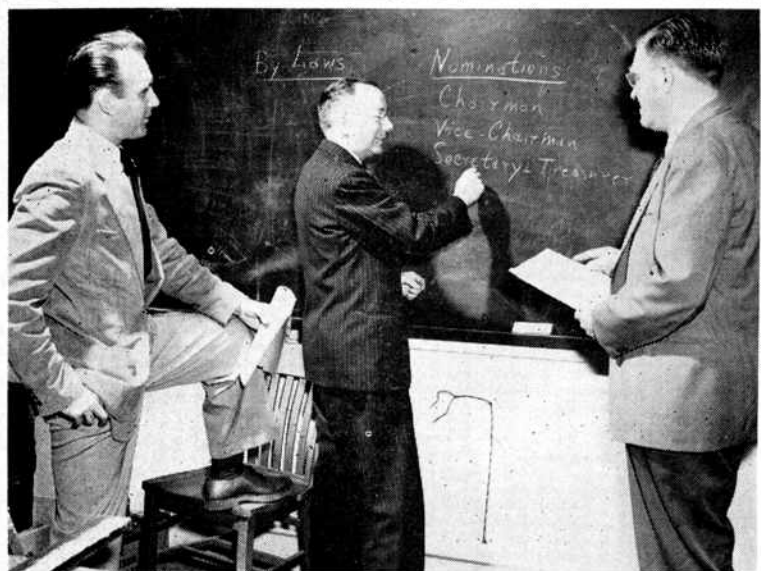
Union Carbide And Carbon Corporation

Volume 4, No. 5

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OAK RIDGE, TENNESSEE

Wednesday, February 1, 1950



Y-12 Photos By Vince Moore

Y-12ERS HELPING TO ORGANIZE ANALYTICAL CHEMISTS of the area are shown above and at right. Above are from left, Warren Grimes, appointed member of a committee to nominate officers of the new group by Dr. C. J. Barton, center, while at right is H. P. House, who will aid in drafting by-laws for the new group. At right is Dr. Barton outlining plans for organization of the group at a meeting held January 23.

Analytical Chemists Appoint Committees

Appointment of a nominating committee and a committee to draft by-laws were among the steps taken by a group of analytical chemists, members of the East Tennessee Section, American Chemical Society, at a meeting January 23 at the Oak Ridge Institute of Nuclear Studies.

Grimes And House Appointed

Dr. C. J. Barton, of the Y-12 Chemical Research Department, presided at the meeting and appointed the committees. Committee-men appointed included Warren Grimes and H. P. House, both of Y-12. Grimes was placed on the nominating committee and House on the by-laws committee.

The meeting was attended by 32 analytical chemists of the area who voted to create the organization with officers including a chairman, vice chairman and secretary-treasurer. Suggestions as to types of programs to offer included a symposium of instrumental analytical methods, discussion of classical analytical methods, use of organic reagents in analytical methods of determination and fluorescent analysis as an analytical tool.

To Meet Once Monthly

Dr. Barton announced last week that no date has been set for the next meeting of the group but that the membership proposed meetings be held on one Monday of each month, except in the summer.

The date of the next meeting will be announced by Dr. Barton when the two committees are now working on their proposals are ready to report, he said last week.

Atomic Treatment Courses Planned

The Atomic Energy Commission has announced sponsorship of courses in which doctors will be instructed on treatment of persons suffering from wartime atomic injuries. Selected physicians will be given one-week courses and will pass on the knowledge acquired to other doctors, nurses and dentists in their home areas. The first of these courses will be given at the Argonne National Laboratory at Chicago, the University of Rochester and the Western Reserve University School of Medicine.



Table Top Prints Club Contest Topic

A black and white print contest on table top photography will be the feature of the February meeting of the Carbide Camera Club set for 7:30 o'clock Tuesday night, February 14, in the club headquarters in the East Portal of Y-12. Several other interesting items of business also will be on the program, according to Nat Stetson, of Y-12, president of the club.

Deadline for entering prints in the table top photography contest will be Friday, February 10. All entries should be left with S. A. Hluchan, vice president of the club, at his residence, 108 Darwin Lane. The prints should be the usual minimum size of eight by 10 inches mounted on 16 by 20 inch vertical mounts with the negative age being less than one year. Entries are limited to three per person and each should be titled with information given on the back as to type of camera used, exposure, lighting, film and developer and paper and developer.

Technical Data Export Faces Ban

An outright ban on export of technical information that may be "significant to the national security" will be made by the Commerce Department of the United States if such action is necessary to prevent such information reaching unauthorized persons, it has been announced in recent news stories.

UCC Acclaims Y-12 Plant Safety Mark; Achievement Aids Corporation Record

The Y-12 safety record has been given recognition and high praise by A. F. Tyra, of the Union Carbide and Carbon Corporation, Safety Division, Industrial Relations Department, in a letter to Dr. C. E. Larson, Y-12 Superintendent.

The Tyra letter follows in full: Dear Dr. Larson:

We were pleased to note in your cover letter attached to the annual accident report for the year of 1949 for the Y-12 plant, that the employees of this unit had completed another period of 1,500,000 man-hours without a disabling accident. According to the report received by us, this record started June 1, 1949, and continues unbroken to date. During the period of June 1, 1949, to December 31, 1949, the employees have worked 1,733, 120 accident-free hours.

UCC Improves 10 Per Cent

You will be pleased to note that the accident experience for the total UCC Corporation during 1949 indicates an improvement of about 10 per cent over the preceding year. Safety records such as have been established by the employees of the Y-12 plant have been a contributing factor in this improvement in our Corporation accident experience.

We wish to extend our congratulations to you and the employees who have made this new record possible, and sincerely hope that your present record will continue, so that you will surpass the one which you previously made at the Y-12 plant.

Employees To Get Bar

In recognition of this new safety achievement, a bronze bar with the opening date of June 1, 1949, is to be awarded to the employees of the Y-12 plant. The space for the closing date will be left blank, to be filled in at such time as a disabling accident occurs at your plant.

Very truly yours,
A. F. TYRA

Exhibition Of Ridge Paintings Now Displayed At Guest House

An exhibition of paintings and drawings by members of the Oak Ridge art class of the University of Tennessee Extension Center will be open to the public through February 15 in the lobby of the Guest House.

Exhibitors will include Mr. and Mrs. C. J. Bozzi, Barbara Doughty, Louise Gilbert, Mrs. Ethel C. Fox, J. D. Perkison, Laura C. Rowe, Phyllis Smith and Genevieve Stoughton. Catalogs for the exhibitions will be available at the guest desk in the lobby.

Another exhibition of interest to Oak Ridge art enthusiasts will be a display of paintings by George Cress being shown at the Audigier Gallery at the University of Tennessee in Knoxville through February 19. Cress is associate professor of the university's fine arts department and is instructing the art classes for the extension center in Oak Ridge.

'DOG FACES' NOT DONE

"The Blue Devil," official newspaper of United States soldiers in the Trieste garrison near the Yugoslav frontier, has declared that even the atomic bomb has not made the infantryman obsolete in war.

Committee Will Select Safety Awards For Y-12 Employees Setting Mark

The plant Safety Award Selection Committee, composed of one man and one woman employee from each Y-12 division and division coordinators will meet early this week to select articles for individual awards to be presented every eligible Y-12er who helped establish the 1,500,000-hours mark worked without a disabling injury mark reached last December 6.

The accident-free period that reached the 1,500,000-hours mark last December is being continued in Y-12 with the next immediate goal being to top the record of approximately 2,850,000 man-hours worked without a lost time accident that was reached last April 26. That goal, however, is still just another milestone in the overall objective of indefinitely continuing the splendid safety trend now being carried out by the cooperative efforts of every Y-12er.

To Select Seven Awards

The Safety Award Selection Committee has a variety of attractive articles from which to select the individual awards. From the articles to be considered seven will be selected to submit to eligible employees from which to make their choice. Of these seven articles three will be suitable for men employees while three more will be fitting for women. The seventh will be selected for its suitability as a gift for either a man or woman.

As soon as the individual awards are selected by the committee a picture will be made of the articles and published in The Y-12 Bulletin next week. Then samples of the articles will be sent throughout the plant for inspection of employees as an aid in making their selections.

Two Choices Are Requested

All eligible Y-12ers will be given a selection card on which they will be requested to designate a first and second choice of awards in case there is any difficulty in obtaining a sufficient quantity of any one article. However, no trouble of this kind is anticipated.

Members of the Safety Award Selection Committee include W. E. Honeycutt, Guard Department, and

(Continued On Page 2)

Fred Belcher Is Appointed AEC Manager Of Dayton Area

Fred H. Belcher, former operations officer in Y-12 for the Atomic Energy Commission, has been appointed manager of the AEC's Dayton Area, succeeding Kenneth A. Dunbar, another former Y-12er who recently was transferred from the Dayton project to Oak Ridge. Belcher will take over his new post today.

An electrical engineering graduate of Washington University in his native St. Louis, Belcher first joined the Manhattan Engineering District in April, 1943. He came to Oak Ridge in January, 1946, and became assistant operations officer at K-25 before moving to Y-12. In January, 1948, he took the post of operations officer at Oak Ridge National Laboratory and in September of the same year moved into the main AEC office as assistant to the director of the Office of Research and Medicine, the position he held at the time of his transfer to Dayton.

SAFETY SCOREBOARD

Your Plant Has

Operated

222 DAYS

Without A Lost Time

Accident

THROUGH JAN. 29

Revised Housing Assignment Rules Now In Effect

A general revision of housing assignment regulations which make available Cesto-type housing units to all Carbide employees who qualify under family size requirements became effective February 1. This change coincides with a housing policy change of the Atomic Energy Commission.

Family Size Basic Factor

Under the new assignment policy family size is the basic factor in determining eligibility for various types of housing units. Payroll status affects assignment of type only if the applicant requests a garden apartment. Assignment of these units will be limited to employees on salary payroll who meet regulations governing family requirements.

Assignment of quarters other than dormitory rooms to single persons will be limited to A-1 Efficiency apartments for women and N-type apartments for men. Priority Is Offered

Employees who have been given notice to move at the convenience of the government will be given priority for assignment to available units for which they are eligible.

Assignment of houses to employees living in the commuting area, defined as an area within an approximate 60-mile radius of Oak Ridge, will be discontinued.

Questions regarding the revised assignment regulations should be directed to the Y-12 Housing Office, North Portal, telephone 7-8328.

Seminar Speaker To Give Two Other Lectures Here

Prof. Kasimir Fajans, of the University of Michigan, will deliver a series of three lectures of interest to Y-12 and other Oak Ridge scientists here this week. One of them will be given at the regular meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon in the East Lounge of the Ridge Recreation Hall.

The seminar discussion topic will be "Quanticule Theory of Molecular Structure."

The first of Professor Fajans' lectures will be given at 8 o'clock Thursday night at the high school gymnasium on "Electronic Structure of Electrolyte Solutions." At the same time and place Friday night he will speak on "Physical Nature Of Chemical Binding."

Y-12 Bulletin

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Chemical Department
Leads Major League

The second and third place departments in the Major League attendance standings for the week ending January 15 moved up to first and second respectively for the week ending January 22 with the Chemical Department and Field Maintenance taking over the first two positions. Their absentee percentages for the last reporting period were .9 and 1.3 respectively. In third place was Chemical Research, with 1.6 per cent of its membership absent and which was in 11th place the preceding week.

Electrical Maintenance Drops Down
Dept. 2077, Electrical Maintenance, which concluded a two-week record of perfect attendance the week ending January 22 during which time they had a similar mark for five of the six previous weeks, dropped down to seventh place with 2.5 per cent absenteeism recorded.

In the Minor League eight departments reported "all present" for the week ending January 22. Four of these groups were repeaters from the previous week, they being Employee Relations, Receiving and Shipping, Property and Cafeteria and Canteens.

The other four departments with perfect attendance marks for that week were Transportation, Planning and Estimating, Uranium Control and Computing and Janitors. They rose from second, third, fifth and eighth places held the preceding week.

Superintendents Take Second Place
Second place in the Minor League was taken by the Superintendents Department with an absentee mark of .6 per cent. In third place was the Technical Service Laboratory with 3.2 per cent of its personnel absent. These departments were in fourth and ninth places the preceding week.

The plant absenteeism record for the week ending January 22 jumped .7 per cent from the previous week to a figure of 2.8 per cent, the highest in several months. The record, by departments, follows:

MAJOR LEAGUE				
More than 50 Employees Scheduled				
Dept.	Absent	Percentage	Standing 1-22-50	1-15-50
2619	0.9	1	2	2
2015	1.3	2	3	3
2300	1.6	3	11	11
2360	1.7	4	6	6
2616	1.8	5	6	6
2320	2.1	6	7	7
2077	2.5	7	1	1
2003	2.7	8	4	4
2091	2.9	9	5	5
2014	3.9	10	9	9
2283	4.0	11	10	10
2282	4.3	12	8	8
2142	9.9	13	12	12

Group absentee percentage was 2.7 per cent, .9 per cent higher than the preceding week.

MINOR LEAGUE				
15-49 Employees Scheduled				
Dept.	Absent	Percentage	Standing 1-22-50	1-15-50
2109	0.0	1	1	1
2143	0.0	1	1	1
2140	0.0	1	1	1
2107	0.0	1	1	1
2008	0.0	1	2	2
2002	0.0	1	3	3
2739	0.0	1	5	5
2001	0.0	1	8	8
2200	0.6	2	4	4
2270	3.2	3	9	9
2133	3.3	4	13	13
2743	5.0	5	7	7
2005	6.0	6	6	6
2009	6.66	7	11	11
2096	6.66	7	11	11
2090	6.66	7	12	12
2060	10.6	8	10	10

Group absentee percentage was 2.8 per cent, .4 per cent lower than the preceding week.

The plant average for the week ending January 22 was 2.8 per cent, .7 per cent higher than the preceding week.

Sharp knives should always be kept entirely out of the reach of the children.



STRICTLY Confidential
G'wan, get outta town—get lost—L'il Ol' Groun' Hawg. Things have been bad enough around these diggings without you sticking your snoot into the topsy-turvy weather situation. (It is a solemn promise—the weather will NOT be mentioned in this column again for—oh well, maybe it will snow in May or something.)

The Central Reports Office welcomes two new folks into their midst. They are Pauline Barnhill and Sue English . . . Graham Rudolph and her husband, O. B. Rudolph, of the Isotope Research and Production Department, spent the past week end with relatives in the pretty little city of Franklin, Tenn. It's the first stop south of Nashville.

Y-12 need have no fears of basketball talent for its teams around the annum 1970 or thereabouts. John Ramsey, of Chemical Research has listed his latest and fifth son in the Ramsey family and vows he will have a family representation in the Red and White about that time. The most recent member of the Ramsey quintet of sons was born January 25, at the Oak Ridge hospital and weighed in at 10 pounds and two ounces. Poppa John vows he (the son) will be the center of the team. Of course, the folks around the department were slapping Father Ramsey on the back and showering him with congratulations.

The Y-12 Bulletin staff offers sincere, although somewhat belated, congratulations to The Oak Ridger on its first anniversary edition published January 20. That issue of the Oak Ridger could have been looked on with pride by daily publication of many times its size—and time in the field. Looked on from the standpoint of an "old pro" it likewise can most truthfully be said that few daily newspapers anywhere have made such progress from scratch as has the Atomic City publication. They have a good team up there—so congratulations again.

The Field Maintenance Department sends get well real quick wishes to E. W. Palmer and the Maintenance Utilities outfit does likewise to J. H. Humphrey . . . Both have been on the ailing list lately.

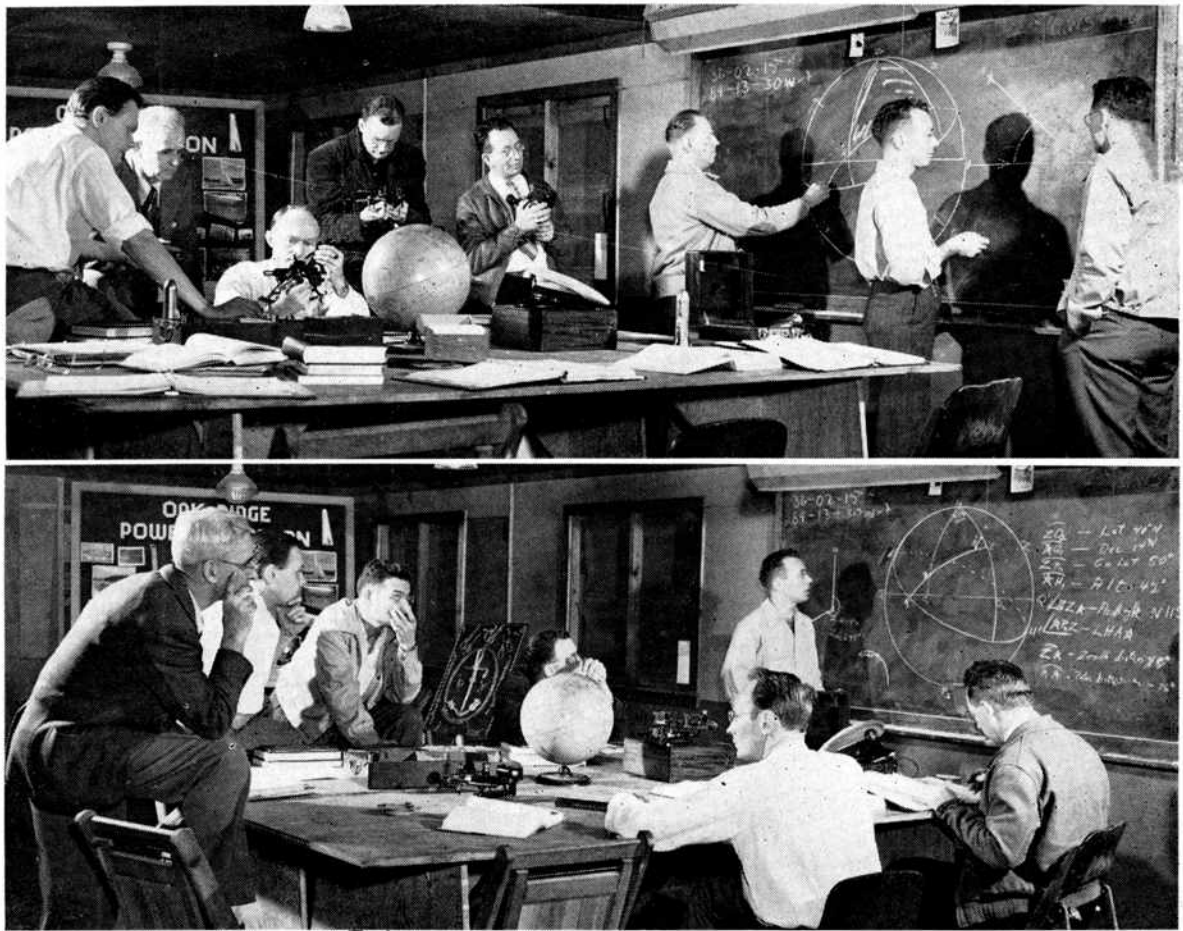
Helen Ross is reported ill and has the best wishes of Wage Standards to get over it quick.

More folks reported with miseries—They are Carl Green and Newton Stone, of Isotope Research and Production, and fellow employees hope they will be back soon . . . The department expresses extreme sympathy to Frank Lambert, as Mrs. Lambert is in the hospital suffering from second degree burns received in a home accident.

Robert McAlister, of the Chemical Department, is receiving condolences on the recent death of his sister in Nashville . . . More sick folks—to whom the department sends wishes for a speedy recovery—Ralph Watson and John Kennedy. Stores Department sends recovery wishes to Mary Nell Smith.

Well, here's a bright news note among the unhappy ones about ill folks . . . Capt. Ray Ledford, of the Guard Department, is back after a brief illness in the Oak Ridge Hospital—wonder when he will start wearing that bright pink shirt again? . . . S. Honeycutt spent his two weeks of vacation in Oak Ridge and C. L. Cotter did likewise in Maryville . . . M. E. Butler is at his home in Lake City on vacation.

Buildings and Grounds Department are joined by everyone else in Y-12 who knows W. A. Parks in extending sympathy to the Parks family over the death of his nephew, Capt. Harold Richard Parks, who was killed in a paratroop jump at Fort Bragg, N. C., January 20. Captain Parks rose from the ranks, being one of the first 100 paratroopers to enlist in that newly formed branch of the Army at Fort Benning, Ga. It is an ironic act of fate that after serving through the war and serving his



Y-12 Photos By Vince Moore
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WHETHER THEY ARE SAILING OR OPERATING POWER BOATS IN THE SUMMER, members of the Oak Ridge Power Squadron study navigation problems during the winter months. In the top picture the advanced class in navigation, most of whom are Y-12ers, is learning how to read a sextant. From left are W. R. Rathkamp, Phil Collette, of K-25; W. C. Tunnell, commander of the squadron, Walcott Watson, G. J. Angele, vice commander; George Summers, of K-25; William Brundage, of Oak Ridge National Laboratory and formerly of Y-12; and George Banic. In the lower picture the same group is working out a navigation problem. The class in navigation has been underway for several weeks and will be concluded early in the summer. Squadron members successfully completing the class will be able to navigate any kind of craft in any body of water, including oceans.



The following Y-12 employees were patients in the Oak Ridge Hospital last week:

Ralph C. Watson, Chemical; Ray L. Hill, Maintenance Shops; Carl J. Green, Isotope Research and Production; James D. Hayes, Stores; Robert S. Morris, Plant Engineering; Daisy Whitehead, Medical.

nation in the Pacific, China and Japan areas that he died in peacetime activities. He leaves a wife and son in Pikeville, Ky.

Oh shucks here we go again with ailing folks—they are J. F. Titlow and H. E. Everman, of the Electrical Maintenance Department, whose fellow employees wish for them a speedy recovery. . . . Incidentally, if Evan Means, who went out with a flock of other fishing addicts to build fish shelters in the Norris Reservoir, don't quit that stuff he is liable to end up with double pneumonia, housemaid's knee and other ailments peculiar to the extreme personalities who persist in braving the elements—to do what?—build shelters for fish. Who in the heck builds shelters for the fishermen?

The Assay Laboratory sends best get well wishes to Evelyn Moody Plumlee, who is on the sick list.

A. K. (Al) Bissell, of Uranium Control and Computing, has returned to the sick list again and the department hopes he will snap out of it and come back soon . . . Katie Williams went to Maynardville over the January 28 week end . . . Kate Penland and her sister spent the week end in Scaly, N. C. . . . At the same time Bertha Crowder went to Bowling Green, Ky.

In another belated report, congratulations are sent to C. E. (Curley) Boone over his fine work for the American Legion. The former Y-12er was named Legionnaire Of The Year by Atomic City Post, No. 199, and has been appointed to the Legion's national committee on public relations. He now is chairman of the Oak Ridge United Veterans Committee.

The bow too tensely strung is easily broken.

Committee Will Select
Y-12 Safety Awards

(Continued From Page 1)

Doris Moore, Employee Relations, Industrial Relations Division; Fred J. Hawk, Product Chemical, and Virginia Hill, Assay Laboratory, Chemical Division; William Luke-man, Technical Service Laboratory, and Jeannie Brownfield, Electromagnetic Research Laboratory, Research Division; D. E. Ferguson, Stores, and Frances Smith, Property, Manufacturing Offices Division; E. E. Kennedy, Maintenance Shops, and Emma Russell, Planning and Estimating, Maintenance Division. Coordinators of each division also will attend the selection meeting, including W. S. Herron, Chemical; Lee Bagwell, Industrial Relations; C. D. Susano, Research; C. E. Gillihan, Manufacturing Offices; and Nelson Tibbatts, Maintenance.

Second Time For Awards

For many Y-12ers this will be the second individual award received for participating in the fine safe operations in the plant. On December 22, 1948, the plant first amassed 1,500,000 man-hours worked without a lost time accident and early this year handsome awards including wallets, cigarette lighters and fountain pens were distributed to eligible employees.

In addition to these Company awards the plant received a bronze plaque from the Company in recognition of the record. As a result of passing the prescribed mark of 1,500,000 hours without a disabling accident on December 6, the plant will receive a service bar to attach to the original plaque, now on display at the North Portal.

In addition to these Company honors, Y-12 has been presented the National Safety Council's highest award, the Distinguished Service to Safety Award, for lowering the frequency and severity rate of accidents in the plant during 1948 from the 1947 record. At that time it was pointed out that the Y-12 safety record was better than 99 out of 100 plants outside Oak Ridge.

Speed fiend: "It's great speeding along like this. Don't you feel glad you're alive?"

Passenger: "Glad isn't the word, I'm amazed."



Three Y-12 employees became fathers of babies born recently in the Oak Ridge Hospital. Parents were Mr. and Mrs. Willie T. Cale, girl, January 24; Mr. and Mrs. John W. Ramsey, boy, January 25; Mr. and Mrs. L. P. Vines, girl, January 26.

Film Society Will Present
Swedish Picture On Friday

"Torment," a Swedish film with intense climaxes, will be shown to members of the Oak Ridge Film Society and guests at 8 o'clock Friday night, February 3, in the West Lounge of the Ridge Recreation Hall. This will be the next to last offering of the society this season.

Membership in the Oak Ridge Film Society is \$2 per season and entitles the holder of the season tickets to admission to six outstanding films, plus the privilege of bringing two guests each season. Subscriptions may be obtained from the Oak Ridge Film Society, P.O. Box 22, Oak Ridge. Tickets to individual showings cannot be sold.

Films already booked for the March to September season include the French picture, "Volpone," with Louis Jouvel and Harry Bauer; two English films, "Quiet Weekend" and "Dead of Night" and the highly praised Italian production "Shoeshine."

New Type Concrete
Gives Better Shield

The Washington News has announced that Dr. E. Creutz and Dr. K. Downes, of the Carnegie Institute of Technology, have reported a new type of concrete that may lead to safer and cheaper shielding for atomic furnaces and atom smashing machines. The new type of concrete is composed of magnetite ore, cement and water and is considered to possess better shielding properties than ordinary concrete.

SPORTS NEWS IN Y-12

Entry Blanks Being Distributed For Big Carbide Bowling Tournament; February 13 Deadline Is Set

Entry blanks for the Carbide Company-wide bowling tournament to be held February 25-26 and March 4-5 have been received by the Y-12 Recreation Office for distribution to plant bowlers. The blanks will be placed with secretaries of the plant bowling leagues and also will be available at the Recreation Office, North Portal.

Deadline for entering the tournament will be Monday, February 13 and all Y-12ers who want to enter the event must have their entry blanks and fees in the Recreation office by 4:30 p.m. that day.

The Company-wide tournament, the first event of its kind ever staged in Oak Ridge, is creating great interest among Y-12 keggers

and a large entry list from this organization is expected. A total of 99 handsome trophies valued at \$500 and prize money will be presented the winners in the several events.

The Recreation Office has been receiving several questions in regards to eligibility to bowl in the tournament.

It is pointed out that all Carbide employees in either of the three units in Oak Ridge may participate if they have bowled in 15 games to establish a handicap in any bowling league sanctioned by the American Bowling Congress. For instance, this means that if a Carbide employee who has not bowled in Oak Ridge this season but who

has played in a league sanctioned elsewhere still is eligible to roll in the Carbide event.

Wives of employees are eligible provided they are bowling on a Carbide team or in a Carbide-sponsored league.

Another problem concerns bowlers rolling with teams in different plant leagues, such as the case of several Y-12ers. These bowlers may roll with only one team and their handicap for the Carbide tournament will be based on the highest average score of the individual for the season.

The men's division of the tournament will stage their alley activities at the Oak Terrace while the women will bowl at Jefferson.

Hooks, Orphans Blank Foes; Keep Loop Tie

The Hooks and Orphans maintained their deadlock for first place in the C League last Wednesday night at the Central alleys by whitewashing their respective foes, the Short Circuits and Thin Pins, for four points. In other league matches the Guards stung the Hornets for three points to remain on the heels of the leaders and the Moles and Hurricanes divided their points at two each.

The Orphans really were on the hot side last week as they burned up the Central hardwood for all team scoring titles and had a couple of their keggers post high individual scores. In team scores the Orphans knocked over 815 pins in a single scratch game, ran out a 2,343 scratch series; 1,001 handicap single game and 2,911 handicap series.

Elmer Green, of the Orphans, turned in a neat 490 scratch series, boosted to 607 with handicap for tops in that bracket. Elmore Koons, a teammate, had the best scratch single game of 193. Otis Rackley, of the Guards, led the boys with a 229 handicap single game.

League standing follows:

Team	W	L	Team	W	L
Hooks	12	4	Moles	7	9
Orphans	12	4	Thin Pins	6	10
Guards	10	6	Hornets	6	10
Hurricanes	8	8	Short Circuits	3	13

Prospects Good For Rifle Team From Y-12 Plant

Prospects appear bright for a crack rifle team to represent Y-12 in a city-wide league with firing expected to begin in about a week. Some 16 Y-12ers have indicated intention of trying out for the team with about a dozen turning out for a meeting at the Recreation Office last Thursday.

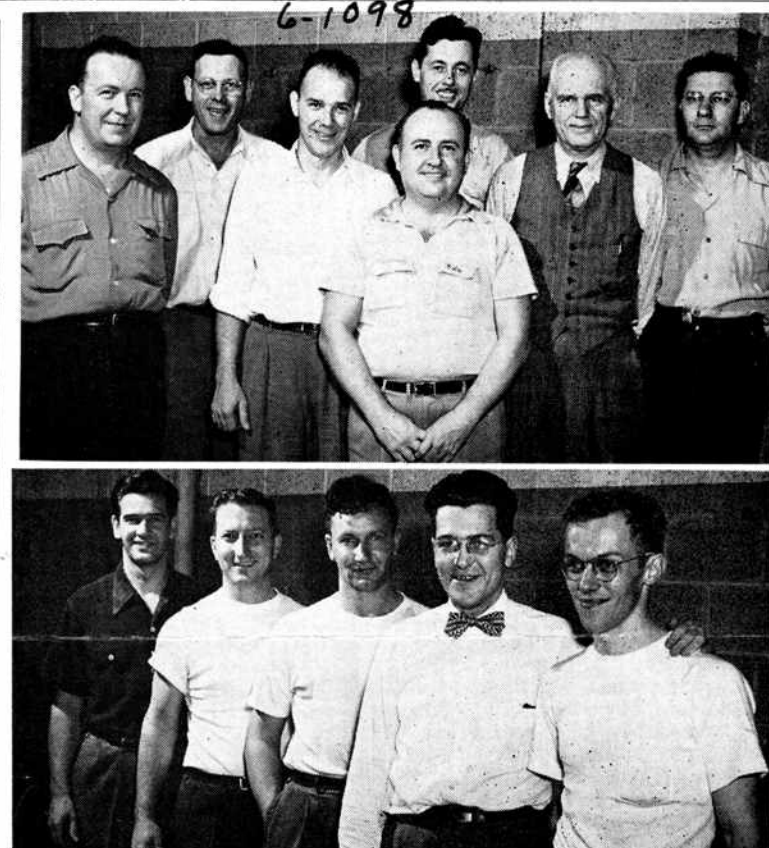
Tentative plans for the league provide for matches to be fired weekly on the range of the Oak Ridge Sportsmen's Association west of the city limits. There will be no cost to the team members and they will not be required to be members of the association.

All members of a squad will fire in each match with the highest scores being taken for record. The league will operate on a handicap basis.

Further information on details of operation of the league is expected to be announced some time next week. Present teams in the loop are from the three Carbide units in Oak Ridge with other organizations planning to enter the competition.

PLANES AID SECURITY

A news story in the Boise, Idaho, Statesman recently reported that fighter planes, ready for action, are taking part in a constant security patrol of the northwest, particularly near the Hanford plant of the Atomic Energy Commission in Washington.



6-1098
LAST WEEK THE Y-12 BULLETIN PRINTED THE PICTURE of the Materializers of the D League, who went into first place in that loop January 24. Now here are the two teams tied for last place in the loop as of the latest league report, the Overheads, top, and Isotopes. In the picture of the Overheads Nelson Tibbatts is standing in front while others, from left, are Butch Naive, E. R. Koons, Leonard Crawford, Leo Hemphill, Will Nielson and J. Clyde Bowles. The Isotopes, from left, are Joe Walton, Joe Patton, Tom Stephens, Paul Dunn and Paul Wilkinson.

Birds Hope To Clinch Second Place; Jays Seeking Third Spot

The first half of the season in the Oak Ridge Recreation Basketball League will be concluded with three games tonight at the Jefferson Junior High School that will see the two Y-12 entries, battling to improve their positions. The Speckled Birds are in second place, a bare game ahead of the AEC quintet, which in turn had a one-game margin over the Y-12 Blue Jays.

In games tonight the Speckled Birds meet the last-place ORNL Chemists at 7 o'clock and are favored to win. After the 8 o'clock scrap between the ORNL Instrument team and Barber Buick, league leaders; the Blue Jays will endeavor to upset the AEC five and take over third place in the 9 o'clock tilt.

Last Wednesday night the Blue Jays beat the Chemists 40 to 31 while the Barber boys bounced the Birds, 33 to 27. On Friday night the Jays came within one point of upsetting the Buick team, losing by 36 to 35. Meanwhile the AEC team turned in victories over both of the ORNL cage crews.

Second half play will get under way at Jefferson Thursday night with the Birds meeting AEC at 7 o'clock and the Jays playing the Instruments one hour later. Then next Monday night the two Y-12 teams meet each other at 7 o'clock at the same place.

League standing follows:

Team	W	L	Team	W	L
Barber Buick	9	0	Blue Jays	4	5
Speckled Birds	6	3	Instruments	2	7
AEC	5	4	Chemists	1	8

Y-12 Keglerettes Drop Two Games To Atomizers Lassies

The Y-12 feminine bowlers in the Oak Ridge City League dropped two out of three games to the last-place Atomizers last Thursday night. In total pinnage, however, the Atomizers outscored the Y-12ers by only 1,886 to 1,884. The Y-12ers took the first game by 667 to 582 and seemed on their way to a convincing victory. Their opponents came back strong, however, to eke out a 647 to 634 win in the second tilt and then went on to trim the fading Y-12 lassies by 657 to 583.

Margaret O'Neal again led the Y-12 keglerettes in scoring with 124, 170, 145—439; followed by Katie Williams 144, 118, 113—375; Ruth Law 135, 106, 124—365; Daisy Ward 149, 112, 102—363; and Olyne Poindexter 115, 128, 99—344.

Some men are born with sciences—others marry them.

Cards Seek To Topple Trico Tossers Tonight; Robins Will Tackle ORNL Fillies Monday; Morristown, Athens Coming For Games Here

The Y-12 Cardinals, kicked around considerably in recent contests and becoming quite tired of the procedure, will grimly pull on their battle garb with determination to go out and hand the high-riding Trico Motors a spanking in the featured game on tonight's Oak Ridge basketball League card. This scrap will start at 6:45 o'clock at the Jefferson Junior High School and will be followed by a women's clash between Clinton and Roane-Anderson and a men's game pitting Clinton and Southern Bell.

Play Clinton Next Wednesday

Neither the Cardinals nor the Robins are scheduled to play Friday night but the Robins return to the wars next Monday night at Jefferson when they will go out with blood in their eyes after the Fillies of ORNL. Then the next league appearance of the red and white clad teams will be staged next Wednesday night when the Y-12ers meet Clinton in another double-header. These teams met last Friday night.

In addition to their league clashes the Cardinals and Robins have considerable outside competition business to attend to in the near future. Men and women cagers from Morristown will invade Oak Ridge at 7:30 o'clock Saturday night, February 4, for return clashes with the Y-12ers. At the same hour and place the following Saturday night Athens basketballers will drop in for an engagement. The Y-12ers split even with both Morristown and Athens in games away recently.

Robins Play Knoxville Team

Sandwiched in between these dates the Robins are scheduled to play a Y.W.C.A. team from Knoxville as part of a double-header Tuesday night, February 7, at the new Woodland School gymnasium. An intermediate team from the East Methodist Church of Oak Ridge will meet a junior Y.W.C.A. team from Knoxville in the first game, starting at 7 o'clock.

A slow start proved too much of a handicap for the Cardinals in their clash with Fairchild last week, the Red and White being trimmed by 42 to 34. The NEPA lads had a 16 to 6 first-quarter lead which the Y-12ers could never overcome although they played their foes on about even terms for the last three periods. Glenn Babb led the Y-12 scoring with 11 points, Oliver seven and Claxton bagged six but the other lads couldn't give much support. Baxter and Muckenthaler topped the Fairchild scoring with 15 and 13 respectively.

The Robins took a low-scoring defensive battle from the Oak Ridge National Laboratory lassies last week by the count of 17 to 11. In this contest the Labsters went scoreless in the entire second period and the Robins failed to dent the nets in the third quarter.

Break Even With Clinton

The Y-12ers broke even in a double-header against Clinton last Friday night. The Robins won a hard-fought scrap from the Clinton women, 25 to 14 with Judy Butler scoring nine and Helen Brown five points. However, the Cardinals fell before a last-quarter Clinton rally to drop a 33 to 30 decision. Oliver bagged eight points and Oliphant seven for the Cards. Again it was the Robins winning and the Cardinals losing in a Saturday night engagement against Johnson City. The Robins gained revenge for an earlier defeat at the hands of the East Tennesseans by posting a 30 to 18 triumph but the Johnson City men's team led all the way to trim Y-12 by 40 to 29.

Robins Tied For Second

Including games through last Friday in the Oak Ridge City League the Robins were tied with ORNL for second place with seven victories and four defeats. Roane-Anderson still held the lead in the women's division with 11 wins and no losses. In the men's division the Cardinals were holding onto fourth place in the loop.

Materializers Sweep Match; Take Top Spot

The Materializers, last season's champions of the D League, finally pulled out in front in the third round of play by taking four points from the Splinters in alley activities January 24. Prior to this action the two teams were tied for the top rung on the ladder. The loss dumped the Splinters down to a third place tie with the Strikers, who lost two points to the Termites that allowed that team to take over undisputed possession of second place.

Frazier Leads Team To Win

Carl Frazier led the Materializers and the league with a 618 handicap series and high games in each match. The team also turned in the best handicap series of the night with 2,802 as Fred Boody, Bob Kelly, John Ramsey and Jim Keeton came through with good scores to back up Frazier. Red Wiest had a 600 handicap series for the Splinters and steady bowling by Harold Ratjen and Bill Morgan kept the match from being an entire runaway.

The Strikers took the first game of their match by 981 to 976 against the Termites but from then on the timber chewing lads had things their own way, posting a 2,190 scratch series for tops in that bracket. Sky Barker and Wes Savage, of the Termites, had best scratch scores of the night with a 191 single game and 493 series. Bill Burns led the Strikers. Despite their loss, the 981 score was tops for the night, as was the 802 scratch game from which it grew.

Angstroms Catch Fire

The Angstroms and Isotopes broke even as the first named outfit caught fire in their last game to take two points with a 960 game turning the trick. Elkin Burkhardt had a 217 handicap series, Spitzer 207, Al Southern 202 and Lewis Twitchell 187 to gain the win. Paul Dunn, of the Isotopes, had a 232 handicap single for best of the night.

George Nessel's 181 scratch game helped the Old Men split two points with the Overheads. Leonard Crawford topped the Overheads and was closely followed by Elmore Koons and Leo Hemphill.

League standing follows:

Team	W	L	Team	W	L
Materializers	8	0	Angstroms	3	5
Termites	6	2	Old Men	3	5
Splinters	4	4	Isotopes	2	6
Strikers	4	4	Overheads	2	6

Varsity Bowlers Whitewash Grocers In City Loop Match

Bowling in consistent, if not spectacular, form the Y-12 men's varsity bowling team turned in one of its best performances of the season January 23 when they whitewashed the Wholesale Grocer keggers for four points, taking three games and total points. The game scores were 877, 820, 867—2,564 for Y-12 and 818, 709, 812—2,369 for the Grocers.

Conrad Roberts put together games of 199, 170 and 188 for a series of 557, the best Y-12 score of the night. He was closely followed by Ernie Cobble with 186, 170, 194—550. Other Y-12 scores included Rudy Pletz 149, 193, 177—519; Nelson Tibbatts 177, 130, 160—477; and Elmore Koons 166, 157, 138—461.

LEAD CASINGS ELIMATED

The New York Times reports from Pretoria, South Africa, that Dr. E. C. Halliday, of the National Physics Laboratory, has perfected a new method of transporting radioactive isotopes that eliminates heavy lead casings.

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On Page Four**

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First Place In B Loop Is Taken By Bumpers

The Bumpers bounded into the lead in the B League last Thursday night at the Oak Terrace alleys by taking three big points from the Maintenance keggers. The Comets, which had a half share in first place the previous week, had to be content with an even split against the Cubs and drop to second place, one game behind.

Two Teams Blank Foes

Clean sweeps were turned in by the Head Pins over the lowly Bums and by the Tigers over the One-91 pinmen. The Wolves nipped the Mules for three points and the Rippers and All Stars broke even with two points each.

However, the All Stars, tied with the Mules in third place, took most

JOHNNY GORDON ROLLS THREE 137 GAMES

Johnny Gordon, rolling for the Mules in the B League of plant keggers last Thursday night came through with one of bowling's oddities by posting three consecutive games of 137. This jewel of consistency act will gain him notice in official bowling publications—but no prizes.

of the team scoring honors. The Stars posted a 869 scratch single game, 1,019 handicap game and 2,878 handicap series. The Wolves cracked through with the top scratch series of the night with 2,431.

Savage Has Best Series Scores

Wes Savage, of the Head Pins, had the best series scores of the night, posting a 546 scratch which was boosted to 648 with handicap. Frank Gragg, of the Wolves, had the best single scratch game of 208 while Elmore Koons, rolling for the Rippers, had a handicap single game of 233 for tops.

League standing follows:

Team	W	L	Team	W	L
Bumpers	26	10	Tigers	18	18
Comets	25	11	Cubs	16	20
Mules	22	14	Maintenance	15	21
All Stars	22	14	Rippers	13	23
Wolves	21	15	One-91	11	25
Head Pins	19	17	Bums	8	28

Tickets For Barter Theater Show Are Available In Y-12

Y-12ers desiring to purchase tickets to the Barter Theater production of "Dangerous Corner," in Oak Ridge February 6 and 7 may obtain them from Gentry Underwood, George Lockhart, John S. Luce, Walcott Watson and Boyd S. Weaver, all Y-12 employees. The tickets are \$1.80 each.

The Barter Theater production will be given in the Oak Ridge High School auditorium. The group is being brought here by the building fund committee of the St. Stephens Episcopal Church.

"Dangerous Corner" is a psychological drama written by J. B. Priestly, English novelist, essayist and playwright.

HOW OLD IS MUMMY?

News reports declare that University of Chicago scientists tested a single ounce of wood from the casket of an Egyptian mummy and through a check of radioactive carbon established the age of the mummy as 4,750 years. The result checked with estimates of archeologists.



Controllers Get W League Lead; Woes Score Well

The Controllers, winners of the first half of play in the W League of feminine keggers in Y-12, finally surged to the undisputed lead in the second half by nipping the Rattlers for three points last Wednesday night at the Jefferson alleys. The Woes, a team composed of wives of employees, tied with the Controllers before hostilities began last week, dropped to second place by taking only two out of three points from the Kemps. In other league matches the Pick Ups bagged two from the Dodgers and the Hi Balls spun the Spinners for three.

Two Woes Get High Scores

The Woes monopolized team scoring honors for the night and two of their team members grabbed off top individual scores. In team play the Woes listed a 691 scratch single game, 1,939 scratch series, 950 handicap single game and 2,728 handicap series.

Agnes Tiller, of the Woes, posted the best scratch single game of 168 and a teammate, Ann Matlock, the best handicap single game of 226. Mavis Koons, a substitute on the Kemps, rolled the best scratch series of 429 and Desma Hutcheson topped the handicap series scores with 585.

League Race Is Tight

The league race still is tight with but five points separating the first and seventh place teams. The Controllers have a one game lead over the Woes, which are one game in front of three teams tied for the next position in the ladder—the Pick Ups, Kemps and Hi Balls.

League standing follows:

Team	W	L	Team	W	L
Controllers	9	3	Hi Balls	7	5
Woes	8	4	Dodgers	6	6
Pick Ups	7	5	Rattlers	4	8
Kemps	7	5	Spinners	0	12

Franck's D Minor Symphony On Listening Group Program

The Symphony in D Minor by Franck will be one of the featured works in the program to be presented at 8 o'clock Thursday night, February 2, in the East Lounge of the Ridge Recreation Hall by the Oak Ridge Music Listening Group.

Other offerings on the record concert will include the "Polka and Fugue" from Schwanda, by Weinberger; and the Archduke Trio No. 7 by Beethoven. Rubenstein, Heifetz and Fenermann are the artists presenting the latter number.

There is no admission to the record concerts and the public is cordially invited.

Slav System For Speeders Seems Effective

Policemen in Yugoslavia probably figured out in advance just how it would work. When they overhaul a speeder, they maneuver him over on to a shoulder of the highway, or on to a side road where his car will be out of the way. Then, without any bickering or arguing with the driver, they quickly let the air out of all four tires, tip their hats and leave.

There you are, mister, with four flats, a red face, and so mad you could pull up trees by the roots.

But who cares? You asked for it. You were speeding. Now punish yourself. No chance of any smart lawyer getting you out of it.

Get out and start pumping, mister! Pump till your back breaks. Pump till the sweat drops off the end of your nose!

Handling speeders this way cut Yugoslavia's traffic accidents 50 per cent.

Fire Safety Is Vital At Work Or At Home

A fire is a bad thing either at home or at work. It can affect you seriously at either place, since a fire at work may mean being laid off until repairs are made and a fire at home may hurt some member of your family or leave you without a place to live.

Should Observe All Rules

It stands to reason, then, that you, personally, should take an interest in fire safety at both places. At work you should observe the rules of safety and fire prevention. They are made for your personal safety and to assure continued work. At home you should eliminate as much as possible all things which might result in a fire.

One of the greatest fire hazards either at home or at work is the careless use of flammable fluids. The vapor from a flammable fluid is invisible but it is still highly flammable. Since it is invisible, many persons tend to forget it.

Use Care Handling Liquids

Around the plant, if you work with a flammable solvent, be sure you obey the rules about smoking, handling the liquid in the safety cans provided for it, proper disposal of solvent-soaked rags or waste, and any other regulations that will help prevent your starting a fire.

At home, people often use solvents for cleaning clothes, removing grease spots from wall paper or furniture, and similar purposes. If you use a flammable solvent, make sure there are no nearby sources of ignition and warn the members of your family to use the solvent with care. It is safer to use a non-flammable fluid, such as carbon tetrachloride, for removing spots. But use it where there is good ventilation, preferably in the open air, if you are going to have to use the solvent for more than a few minutes. Any solvent can make you sick if you inhale too much of its vapor.

Checker Fans Of Oak Ridge Invited To Meeting Friday

All Y-12 checker enthusiasts and others in Oak Ridge are invited to the Ridge Recreation Hall at 8 o'clock Friday night to witness and play some of the country's best checker pushers. Expert players from Knoxville and other nearby East Tennessee cities are expected to attend the checker fest and an outstanding player from Atlanta, Ga., also has been invited to attend the session.

A local group of checker fans has planned the meeting with Arnold Tiller, Y-12 Recreation Supervisor, making arrangements. Everyone attending will be given an opportunity to play or watch, as they desire.

A man died one day and the undertaker wired the widow:

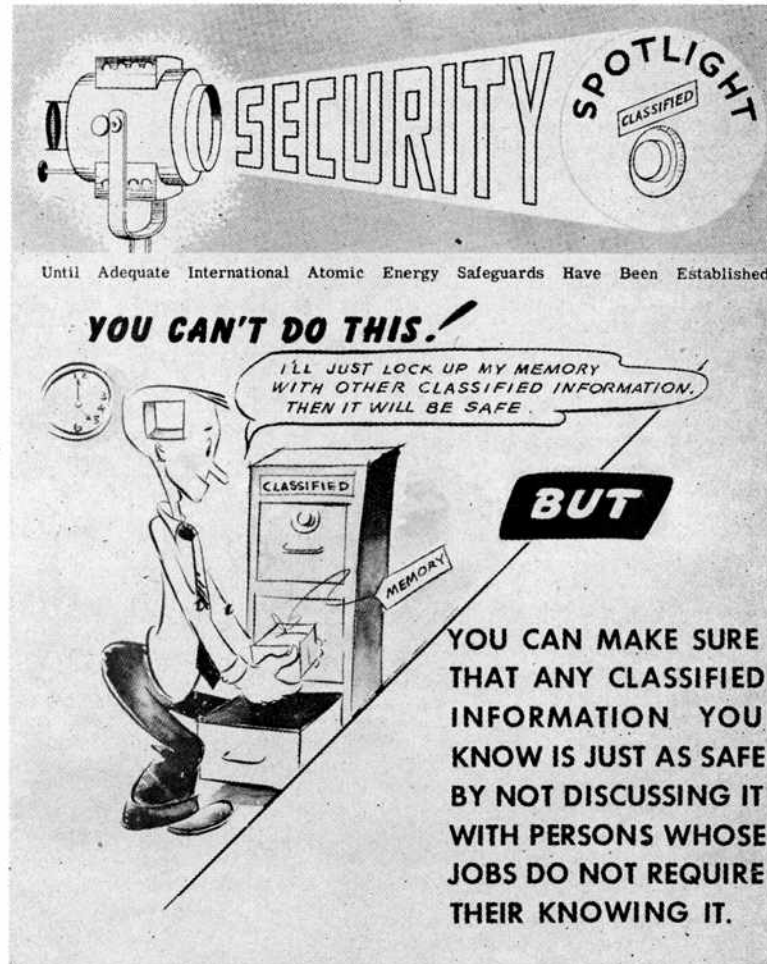
"Advise what disposition of deceased?"

"Mighty onery," came the reply.

Don't Let Tricks Of Memory Lead To Baring Classified Data To Unauthorized Persons

Memory is a valuable asset—at times—but it also can become a dangerous one.

Involved in the operations and research conducted in Y-12 are enormous amounts of information on details, both classified and unclassified, that pass through the hands of employees. Some



of it is bound to stick in their memories, both classified and unclassified items.

The same pertains to information contained in technical articles that have been properly declassified for public distribution. The important facts in these articles frequently are impressed on the memory of the reader—sometimes unintentionally.

Recreation Office Would Form Table Tennis Team Of Y-12ers

The Y-12 Recreation Office is planning to enter a team in the Oak Ridge Table Tennis City League if a sufficient number of players in the plant are interested in the sports. Last season a mixed team of Carbide players with representatives from Y-12 and K-25 was entered in the league and made an excellent showing.

Any Y-12ers who were members of the last season team or others interested in playing are urged to communicate with the Recreation Office, North Portal, telephone 7-8252.

Graphite Lubrication Seen For Motors Of Automobiles

Graphite as a lubricant is not new, but using graphite instead of oil as a lubricant for automobile engines is new, the National Patent Council reports. Oil has been the natural lubricant to use in automobile engines because it could circulate through the engine to do the required job. Recently, however, two Los Angeles chemists, Ralph and Edwin Hall, have developed and patented a process for applying graphite coating by impregnating the surface of metal with graphite in such a way that the graphite doesn't wear off.

J. E. Droege, general manager of the Electrofilming Corporation that is introducing this new process, states that some 50 automobiles, trucks, and racing cars have been "graphited" and show increased performance. In the "graphited" engine, it is claimed the dry pistons slide up and down as easily as if they were floating in oil.

According to the inventors, in experiments performed by the Navy, the graphite coating has proved to be more resistant to extreme temperatures and salt water than any other lubricant yet used.

It is because of this vast amount of information that passes through many Y-12 hands that the security principle of having no employee discuss any classified information with persons whose jobs do not require their knowing it has been adopted in the plant.

Classification Sometimes Changed

Sometimes information that in one stage of its development was unclassified, and details of which may have stuck in the memories of persons handling the data, becomes classified through progression. It is in such cases that quotations from memory by persons with knowledge of the particular situation might prove dangerous if obtained by persons not authorized to have that information.

This danger could arise if some unauthorized person in possession of what to them would be a meaningless bit of classified information would obtain a bit of previously unclassified data that if connected with the previous information might reveal an important secret.

Security Observance Good

Security observance in Y-12 has been on a particularly high standard and it has been previously kept that way by the observance of the regulation of non-discussion of classified information with persons whom it does not concern. Continuance of this observance is a distinct service to the security of the country, plant and individual employee.

DOCTORS STUDY PROBLEM

The Washington News has reported that the District of Columbia Medical Society is working toward organizing itself to cope with any medical emergency that an atomic attack could bring to Washington. The objective of the group is to have a large segment of the city's physicians informed as to the physical effects of an atomic blast on human beings and methods of treating such injuries.

A family tree is a device for tracing yourself back to better people than you are.